Elements Required in a
Coliform Sample Siting Plan

Each Field Office must prepare a coliform sample siting plan for each BLM drinking water system, addressing the requirements listed below, and submit it to WY-930 by February 9, 2001. Once the sample plans have been reviewed and finalized, those pertaining to EPA regulated water systems will be submitted to EPA for formal review and approval. The following information should be included in each plan to ensure long-term consistency and efficiency in operation of the system and to ensure timely, appropriate actions are taken in the event of an exceedance of a drinking water quality standard. Additional information for preparation of a Coliform Sample Siting Plan is available in BLM=s Transient Non-Community Drinking Water Systems training notebook (copies are available from WY-930).

The plan should include the following:

- Map and Aas built@ (and modified) diagram of the entire drinking water system showing storage, treatment equipment location, and taps from which water can be obtained:
  - Include delineated sampling zones (if the system is looped or has different pressure zones).
- Sampling approach employed in monitoring:
  - Sampling locations determined with identification numbers or names designated for each location:
    - A different sampling location must be identified for each month the system is in operation.
    - Sampling locations should include heaviest use taps and dead ends.
  - Methods used, QA/QC, etc.
  - Routine/repeat/increased routine sampling schedules (remember to collect samples early in the week and early in the month to allow time for repeat sampling if needed).
  - Sample preservation and holding times.
  - Laboratory used with address, phone/fax numbers, etc.
- Operational Procedures:
  - System start up and shut down procedures:
    - Valve operation.

Attachment 2

- S Disinfection directions for the distribution system, storage tanks, and disinfection system.
- S Operational testing frequency (chlorine residual monitoring).

- S Draining of distribution and storage.
- S Equipment storage.

- S Contamination response procedures (e.g., in the event a repeat sample tests positive, etc. [40 CFR 141.21]):

  - S Public notification procedure [40 CFR 141.32].
  - S EPA contact procedure for EPA regulated systems [40 CFR 141.21] and BLM contact procedures for BLM regulated systems.
  - S Procedure to be followed when determining the source of coliform contamination (remember to state that the system will not be disinfected prior to taking repeat samples).
  - S Disinfection procedure (e.g., calculation of how much bleach to add and where it should be added) for well, storage tank, and distribution system.
  - S System shut down procedure in the event of contamination (if it varies from the normal shut down procedure).

! Any additional details regarding actions to be taken in the event of contamination or exceedances (i.e., details linked to the Operational Procedures above):

- S Notification, contaminant investigation, repairs or corrective maintenance, etc.

! Recordkeeping procedures:

- S Bacteriological monitoring records must be kept 5 years.
- S Chemical monitoring (e.g., nitrate) records must be kept 10 years.

! Reporting procedures for BLM regulated system or EPA regulated PWS (distinguish whether it is a BLM or EPA regulated systems):

- S Sanitary surveys and other reports must be kept 10 years.